UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 1190860-991190 First Inventor Kim, Tae-Hwan A Vertically Aligned Liquid Crystal Display Device Having

An Optimizing Viewing Angle (Only for new nonprovisional applications under 37 CFR 1.53(b)) EV 301144300 US Express Mail Label No. APPLICATION ELEMENTS Assistant Commissioner for Palents Mail Stop Patent Application P.O. Box 1450, Alexandria, VA. ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents 22313 Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) CD-ROM or CD-R in duplicate, large table of Computer Program (Appendix) 1. Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission C 2. See 37 CFR 1.27. (if applicable, all necessary) 3. X Specification [Total Pages: 18] Computer Readable Form (CRF) (preferred arrangement set forth below) Specification Sequence Listing on: - Descriptive title of the invention -Cross Reference to Related Applications i.

CD-ROM or CD-R (2 copies; or - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table ii.

paper or a computer program listing appendix - Background of the Invention Statements verifying identity of above copies - Brief Description of the Drawings(if filed) ACCOMPANYING APPLICATION PARTS Detailed description - Claim(s)
- Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) 9. 37 CFR 3.73(b) Statement Power of 10. (when there is an assignee) Attorney 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 17] English Translation Document (if applicable) 11 Information Disclosure Copies of 5. Declaration and Power of Attorney [Total Pages 03] Unsigned 12. Statement (IDS)/PTO-1449 IDS Citations Newly executed (original copy) Preliminary Amendment 13. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) Return Receipt Postcard (MPEP 503) 14. b (Should be specifically itemized) Certified Copy of Priority Document(s) DELETION OF INVENTOR(S) 15. i. (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). 16. or its equivalent. Check No. \$\frac{\(\frac{\fir}{\frac{\fir}{\frac Application Data Sheet. See 37 CFR 1.76. 17. 🛛 Other: Certificate of Mailing; Request for Priority Under 35 USC 119..... 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:_ Prior application information: Examiner_ Group/Art Unit-For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label or Correspondence address below K. Jenny Sung 26379 Name Gray Cary Ware & Freidenrich PATENT TRADEMARK OFFICE Address 2000 University Avenue Palo Alto CA City 94303-2248 State Zip Code US Country 650/833-2121 Telephone 650/833-2001 Fax NAMÉ (Print/Type) K. Jenny Sung Registration No. (Attorney/Agent) 48,639 Signature Date July 10, 2003

PTO/SB/17 (11-01)
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for FY 2003						

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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(\$) 918.00

Complete if Known					
Application Number	To Be Assigned				
Filing Date	July 10, 2003				
First Named Inventor	Kim, Tae-Hwan				
Examiner Name	To Be Assigned				
Group Art Unit	To Be Assigned				
Attorney Docket No.	1190860-991190				

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
☐ Check ☐ Credit ☐ Money ☐ Other ☐ None Card Order ☐ Other ☐ None	3. ADDITIONAL FEES Large Entity Small Entity					
Deposit Account Number	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit	1051	130	2051	65	Surcharge - late filing fee or oath	
Account Name Gray Cary Ware & Freidenrich LLP	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	
☐ Charge (fees) indicated below. ☐ Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
☐ Charge fee(s) indicated below, except for filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION		410	2252	205	Extension for reply within second month	
1. BASIC FILING FEE		930	2253	465	Extension for reply within third month	
Large Entity Small Entity	1254	1,450	2254	725	Extension for reply within fourth month	
Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$) Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month	
1001 750 2001 375 Utility filing fee 750	1401	320	2401	160	Notice of Appeal	
1002 330 2002 165 Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1003 520 2003 260 Plant filing fee 1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
_ · / /	1452	110	2452	55	Petition to revive – unavoidable	
SUBTOTAL (1) (\$) 750.00 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,300	2453	650	Petition to revive - unintentional	
Fee from	1501	1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims below Fee Paid Total Claims 23 -20** = 3 X 18 = 54	1502	470	2502	235	Design issue fee .	
Independent 5 -3** = 2 X 84 = 168	1503	630	2503	315	Plant issue fee	
Claims	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent X =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20 3	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1201 84 2201 42 Independent daims in excess of 3 2 1203 280 2203 140 Multiple dependent daim, if not paid	1810	750	2810	375	For each additional invention to be	
1204 84 2204 42 ** Reissue independent daims	405:	750	005.	0=-	examined (37 CFR § 1.129(b))	
over original patent ** Reissue daims in excess of 20	1801 1802	750 900	2801 1802	375 900	Request for Continued Examination (RCE) Request for expedited examination	
1205 18 2205 9 Ressue daims in excess of 20 and over original patent	1002	900	1002	900	of a design application	
ļ <u></u>	•	Other fee	(specify)			
**or number previously paid, if greater; For Reissues, see above		ed by Bas	ic Filing I	Fee Paid	SUBTOTAL (3) (\$)	10.00

SUBMITTED BY Complete(if applicable)						
Name (Print/Type)	Kieun Jenny Sung	Registration No. (Attorney/Agent)	48,639	Telephone	650-320-7536	
Signature	hon 50	7-7		Date	July 10, 2003	

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

CERTIFICATE (OF MAILING BY "EX	KPRESS MAIL" (37	7 CFR 1.10)	Docket No.
A 1' / TZTN 6 //		NO II WANG WO	TRIC CITO	1190860-991190
	TAE-HWAN, KIM, SA			A . TT '.
Serial No.	Filing Date	Examiner	Gro	up Art Unit
Not Yet Assigned	July 10, 2003	Not Yet Assigned		N/A
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Invention:				
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I hereby certify that	this UTILITY P	ATENT APPLICAT	ION	
Thereby corning that		dentify type of correspondence		
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service under 37 CF	FR 1.10 in an envelope a	addressed to: The Co	ommissioner o	f Patents and
Trademarks, P.O. B	ox 1450, Alexandria, V	'A 22313-1450, Mail	Stop Patent A	Application on July
<u>10, 2003</u> .				
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